

## Product datasheet for **SC302996**

### CD30 (TNFRSF8) (NM\_001243) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CD30 (TNFRSF8) (NM_001243) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD30
Synonyms:	CD30; D1S166E; Ki-1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_001243 edited
GAGTGTGCTGGAGCCTGAAGTCCACGCGCGGGCTGAGAACGCCGGACCGCACGTGGG
CGCCGCGCGCTTCCCCCGCTTCCAGGTGGGCGCCGGCCAGGCCACCTCACGTCCGG
CCCCGGGATGCGCGTCTCCTCGCCGCGCTGGGACTGCTGTTCTGGGGGCGTACGAG
CCTTCCCACAGGATCGACCCTTCGAGGACACCTGTCATGGAAACCCAGCCACTACTATG
ACAAGGCTGTCAAGAGGTGCTGTTACCGCTGCCCCATGGGGCTGTTCCCGACACAGCAGT
GCCCACAGAGGCCTACTGACTGCAGGAAGCAGTGTGAGCCTGACTACTACCTGGATGAGG
CCGACCGCTGTACAGCCTGCGTGACTTGTCTCGAGACGACCTCGTGGAGAAGACGCCGT
GTGCATGGAACCTCTCCCGTGTCTGCGAATGTCGACCCGGCATGTTCTGTTCCACGCTG
CCGTCAACTCCTGTGCCCGCTGCTTCTTCCATTCTGTCTGTCCGGCAGGGATGATTGTCA
AGTTCCCAGGCACGGCGCAGAAGAACACGGTCTGTGAGCCGGCTTCCCCAGGGGTGAGCC
CTGCTGTGCCAGCCAGAGAACTGCAAGGAACCTCCAGTGGCACCATCCCCAGGCCA
AGCCACCCCGGTGTCCCAGCAACCTCCAGTGCCAGCACCATGCCTGTAAGAGGGGGCA
CCCGCTCGCCAGGAAGCTGCTTCTAACTGACGAGGGCTCCCGACTCTCCCTCCTCTG
TGGGAAGGCCTAGTTCAGATCCAGGTCTGTCCCAACACAGCCATGCCAGAGGGGTCTG
GTGATTGCAGAAAGCAGTGTGAGCCGACTACTACCTGGACGAGGCCGGCCGCTGCACGG
CCTGCGTGAGCTGTTCTCGAGATGACCTTGTGGAGAAGACGCCATGTGCATGGAACCTCT
CCCGCACCTGCGAATGTCGACCTGGCATGATCTGTGCCACATCAGCCACCAACTCCTGTG
CCCGCTGTGTCCCTACCAATCTGTGCAGCAGAGACGGTACCAAGCCCCAGGATATGG
CTGAGAAGGACACCACCTTTGAGGCGCCACCCCTGGGGACCCAGCCGGACTGCAACCCCA
CCCCAGAGAATGGCGAGGCGCCTGCCAGCACCAGCCCACTCAGAGCTTGCTGGTGGACT
CCCAGGCCAGTAAGACGCTGCCATCCCAACCAGCGCTCCCGTCGCTCTCTCCTCCACGG
GGAAGCCCGTTCGGATGCAGGGCCAGTCTTCTGGGTGATCCTGGTGTGGTGTGG
TGGTCCGCTCCAGCGCCTTCTCCTGTGCCACCGAGGGCCTGCAGGAAGCGAATTCGGC
AGAAGCTCCACCTGTGCTACCCGGTCCAGACCTCCAGCCCAAGCTAGAGCTTGTGGATT
CCAGACCCAGGAGGAGCTCAACGCAGCTGAGGAGTGGTGGTGGTGCAGAAACCGTGC
CGGAAGAGCGAGGGTTAATGAGCCAGCCACTGATGGAGACCTGCCACAGCGTGGGGGCGAG
CCTACCTGGAGAGCCTGCCGCTGCAGGATGCCAGCCGGCCGGGGGCCCTCGTCCCCCA
GGGACCTTCTGAGCCCCGGGTGCCACGGAGCACACCAATAACAAGATTGAGAAAATCT
ACATCATGAAGGCTGACACCGTATCGTGGGACCGTGAAGGCTGAGCTGCCGGAGGGCC
GGGGCCTGGCGGGCCAGCAGAGCCGAGTTGGAGGAGGAGCTGGAGGCGGACCATACCC
CCCACTACCCGAGCAGGAGACAGAACCCTCTGGGCAGCTGCAGCGATGTCATGCTCT
CAGTGGAAAGGAAGGGAAGAAGACCCCTTGCCACAGCTGCCTCTGGAAAGTGAGGCC
TGGGCTGGGCTGGGGCTAGGAGGGCAGCAGGGTGGCCTCTGGGAGGCCAGGATGGCACTG
TTGGCACCCGAGGTTGGGGCAGAGGCCATCTGGCCTGAACTGAGGCTCCAGCATCTAGT
GGTGGACCCGGCCGGTCACTGCAGGGGTATGGTGGTCTCTGCTTGCAT
    
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**5' Read Nucleotide Sequence:**

>Reverse primer walk for NM\_001243 unedited  
 AAAGTCGGGNAGCCCTCGTCAGTTTAGAAGCAGCTTCTGGGCGAGGCGGGTGCCCCCTC  
 TTACAGGCATGGTGTGCTGGCACTGGAGGTTGCTGGGGACACCGGGTGGGCTTGGCCTGGG  
 GGATGGTGCCACTGGAGGGTTCTTGCAGTTCTCTGGGCTGGCACAGGCAGGGCTGACCC  
 CTGGGGAAGCCGGCTCACAGACCGTGTCTTCTGCGCCGTGCCTGGGAAC TTGACAATCA  
 TCCCTGCCGGACAGACAGAATGGAAGAAGCAGCGGGCACAGGAGTTGACGGCAGACGTGG  
 AACAGAACATGCCGGGTCGACATTCGCAGACACGGGAGGAGTTCATGCACACGGGCTCT  
 TCTCCACGAGGTCGTCTCGAGAACAAGTACGCAGGCTGTACAGCGGTCCGCCTCATCCA  
 GGTAGTAGTCAGGCTCACACTGCTTCTGCAGTCAGTAGGCCTCTGTGGGCACTGCTGTG  
 TCGGGAACAGCCCATGGGGCAGCGGTAACAGCACCTCCTGACAGCCTTGT CATAGTAGT  
 GGCTGGGGTTTCCATGACAGGTGCTCTCGAAGGGTCGATCCTGTGGGAAGGCTCGTAGCG  
 CCCCCAGAACAGCAGTCCCAGCGCGGCGAGGAGGACGCGCATCCCCGNGCCGGACGTG  
 AGGTGGCTGGCGCCGGCGCCACCTGNGAAGCGNGGAAGCGCNCGCCGCCACGTGC  
 GGTCGCCGGGCTTCTCAGCCGCGCGCTGGACTTTCAGCTCCAGCACACTCAAGGGCGAA  
 TTCTGCAGATATCGTACCAGATCTGAATTCGCGGCCGCCCTATAGTGAGTCGATTACAN  
 AATTTCTGACGGTCACTAACGAGCTCT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001243 unedited  
 CATTGGNGAATGGCACTTNCAGGNCCAGAAAAGCACTGGGGNAGGGTCACAGGGATGCC  
 ACCCGGGATCTGTT CAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGACAAGCTT  
 GGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGAATTCGCCCTTATGCA  
 AGCAGAGACCACCATAACCCTGCAGTGACCGGCCGGTCCACCCTAGATGCTGGAGCCTC  
 AGTTCAGGCCAGATGGGCTCTGCCCCCAACCTCGGTGCCAACAGTGCCATCCTGGCCTC  
 CCAGAGGGCCACCCTGCTGCCCTCTAGCCCCAGCCCAGCCCAGGCCTCACTTTCAGAGG  
 CAGCTGTGGGCAAGGGTCTTCTTTCCCTTCTTCCACTGAGAGCATGACATCGCTGC  
 AGCTGCCAGAGGCGGTTCTGTCTCCTGCTCGGGTAGTGGGGGTATGGTCCGCCTCCA  
 GCTCCTCTCAAACCTCGGGCTCTGCTGGCCCCGCCAGGCCCGGCCCTCCGGCAGCTCAG  
 CCTTACGGTCCCCACGATCACGGTGTGAGCCTTCATGATGTAGATTTTCTCAATCTTGT  
 TATTGGTGTGCTCCGTGGACACCCGNGCTCAAGAAAGTCCCTGGGGACGAGGGGCCCC  
 CGGCCGGCTGGCATCCTGCAGCGGCAGGCTCTCCAGGTAGGCTGCCCCACGCTGTGGC  
 AAGTCTCCATCAGTGGCTGGCTCATTAACCCTCGCTCTTCCGCGACGGGTTCTGTACCCG  
 ACGCACCACTCCTTAGCTGCGTTTGTAGCTCCTNCTGGGTCGGGAATCCACAAGCTCCTA  
 GCTGGGGCTGGG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001243

**Insert Size:**

2100 bp

**OTI Disclaimer:**

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 1 amino acids.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001243.3</a> , <a href="#">NP_001234.2</a>
<b>RefSeq Size:</b>	3686 bp
<b>RefSeq ORF:</b>	1788 bp
<b>Locus ID:</b>	943
<b>UniProt ID:</b>	<a href="#">P28908</a>
<b>Cytogenetics:</b>	1p36.22
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Stem cell - Pluripotency, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed by activated, but not by resting, T and B cells. TRAF2 and TRAF5 can interact with this receptor, and mediate the signal transduction that leads to the activation of NF-kappaB. This receptor is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>